

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / TYPE 630 / S17400 SS BAR
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD STRENGTH PER TABLE
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5604 OR AMS 5643 OR ASTM A693 OR ASTM 564

PART NUMBER: M17-4- HHHHH-B T.TTT X WW.WWW WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)
COND THICK WIDTH T.TTT SPECIFIES THE THICKNESS
WW.WWW SPECIFIES THE WIDTH

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS

MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE

CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART	PART NUMBER
0.250" X 4.000" BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI	M17-4-B0.250X4.000
1.000" X 2.500" BAR H900 CONDITION	M17-4-H900-B1.000X2.500
0.500" X 3.250" BAR H1025 CONDITION	M17-4-H1025-B0.500X3.250
0.750" X 2.500" BAR A CONDITION	M17-4-CONDA-B0.750X2.500

UNDER REVIEW
ECR: ECR 352

APPROVED

RELEASED
2017-10-31
ECN17-728

B	ADD MATERIAL CONDITION AND REFORMAT DRAWING (CIR17-107)	NO	17.09.14
A	NEW ISSUE	DS	02.04.18
REV.	DESCRIPTION	BY	DATE
DESIGN	NO	DART AEROSPACE LTD	
DRAWN	NO	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. B
MFG. APPR.	DD	M17-4-B	SHEET 1 OF 1
APPROVED	WM	TITLE	SCALE
DE APPR.	CP	17-4 SS BAR	NTS
DATE	17.09.14	COPYRIGHT © 2002 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	